Service	¬ -					
	Report		RMA Number	7779	93	
Customer Inf	ormation:					
Company	NOAA/Great Lakes Envi	ironmental Rese	arch Laboratory		Date	3/3/2014
Contact	Steve Constant					
PO Number	TBD					
Serial Number	03P2732					
Model Numb	SRF 03Plus					
Services Req	uested:					
 Evaluate/Re Perform Rou 	pair Instrumentation. Itine Calibration Service.					
Problems For	und:					
Services Perf	ormed:					
1. Performed in	nitial diagnostic evaluation	า.				
2. Performed "I	Post Cruise" calibration o	f the temperature	e sensor.			
Special Notes	S:					

Service	_ _					
<u> </u>	Report		RMA Number	7779	3	
	пероп	·				
Customer Info	ormation:					
Company	NOAA/Great Lakes Envi	ronmental Resea	arch Laboratory		Date	3/3/2014
Contact	Steve Constant					
PO Number	TBD					
Serial Numbe	042315					
Model Numb	SRF 04C					
Services Req	uested:					
Evaluate/Repart Roy Perform Roy	pair Instrumentation. Itine Calibration Service.					
Z. T GHOIIITHOU	une Cambiation Service.					
Problems Fou	und:					
Services Perf	ormed:					
1. Performed in	nitial diagnostic evaluation	۱.				
2. Performed "F	Post Cruise" calibration of	f the conductivity	sensor.			
0 1111						
Special Notes);					

Service	<u></u>					
	Report		RMA Number	777	793	
	110,001					
Customer Infe	ormation:					
Company	NOAA/Great Lakes En	vironmental Rese	earch Laboratory		Date	3/3/2014
Contact	Steve Constant				1	
PO Number	TBD					
Serial Numbe	050171					
Model Numb	SRF 05-01					
Services Req	uested:					
1. Evaluate/Re	pair Instrumentation.					
Problems For	und:					
Services Perf	ormed:					
1. Performed in	nitial diagnostic evaluation	on.				
Special Notes	s:					

Service	<u> </u>					
	Report		RMA Number	777	793	
Customer Inf	ormation:					
Company	NOAA/Great Lakes Env	vironmental Resea	arch Laboratory		Date	3/3/2014
Contact	Steve Constant					
PO Number	TBD					
Serial Numbe	050731					
Model Numb	SRF 05M					
Services Req	uested:					
1. Evaluate/Re	pair Instrumentation.					
Problems For	und:					
Services Perf	ormed:					
1. Performed in	nitial diagnostic evaluatio	n.				
Special Notes	S:					

Service	Report	<u>[</u>	RMA Number	777	793		
Customer Info	ormation: NOAA/Great Lakes Er	vironmental Resea	arch Laboratory		Date	3/3/2014	
Contact PO Number	Steve Constant TBD		,				
Serial Number							
Services Req 1. Evaluate/Re	uested: pair Instrumentation.						
Problems For	ınd:						
Services Performed:							
Performed in	itial diagnostic evaluati	on.					
Special Notes	<u>:</u>						



Service	<u> </u>	RMA Number	77793		
	Report	HIVIA NUMBER	11130		
Customer Info	ormation:				
Company	NOAA/Great Lakes Environment	onmental Research Laboratory	Date	3/3/2014	
Contact	Steve Constant				
PO Number	TBD				
Serial Number	09P20080-0565				
Model Number	SRF 09Plus				
Services Req	uested:				
	pair Instrumentation. tine Calibration Service.				
Problems Fou	ınd:				
1. The SBE 43	DO interface cable was fo	und to longer have a water tight seal.			
Services Perf	ormed:				
Performed in	itial diagnostic evaluation.				
2. Calibrated th	e pressure sensor.				
3. Installed NE	W SBE 43 interface cable.				
4. Replaced anode(s).					
5. Performed complete system check and full diagnostic evaluation.					
Special Notes	:				

Service						
Service	- Panart		RMA Number	7	7793	
	Report		' -			
Customer Inf	ormation:					
Company	NOAA/Great Lakes Er	nvironmental Rese	arch Laboratory		Date	3/3/2014
Contact	Steve Constant					
PO Number	TBD					
Serial Number	er 130190					
Model Numb	SRF 13-01					
Services Req	uested:					
1. Evaluate/Re	pair Instrumentation.					
		_				
Problems Fo	und:					
Services Per	formed:					
Performed in	nitial diagnostic evaluati	on.				
Special Notes	s:					



Service	
	RMA Number 77793
Customer Info	ormation:
Company	NOAA/Great Lakes Environmental Research Laboratory Date 3/3/2014
Contact	Steve Constant
PO Number	TBD
Serial Number	
Services Requ	uested:
	pair Instrumentation. tine Calibration Service.
Problems Fou	und:
Services Perf	ormed:
1. Performed in	itial diagnostic evaluation.
2. Performed in	sternal inspection and O-ring replacement.
3. Performed hy	ydrostatic pressure test.
4. Calibrated th	e pressure sensor.
5. Performed "F	Post Cruise" calibration of the temperature & conductivity sensors.
6. Performed co	omplete system check and full diagnostic evaluation.
Special Notes	**

Service						
	RMA Number 77793					
Customer Info	ormation:					
Company	NOAA/Great Lakes Environmental Research Laboratory Date 3/3/2014					
Contact	Steve Constant					
PO Number	TBD					
Serial Numbe						
Services Requ	uested:					
	pair Instrumentation. Itine Calibration Service.					
Problems Fou	und:					
Services Perf	formed:					
1. Performed in	nitial diagnostic evaluation.					
2. Performed in	nternal inspection and O-ring replacement.					
3. Performed hy	ydrostatic pressure test.					
4. Calibrated th	ne pressure sensor.					
5. Performed "Post Cruise" calibration of the temperature & conductivity sensors.						
6. Performed co	omplete system check and full diagnostic evaluation.					
Special Notes	S:					



Service	Report	RM.	A Number	7779	3	
	нероп			*		
Customer Info	ormation:					
Company	NOAA/Great Lakes Env	vironmental Research	Laboratory		Date	3/3/2014
Contact	Steve Constant					
PO Number	TBD					
Serial Number						
Services Requ	uested:					
1. Evaluate/Rep	pair Instrumentation. tine Calibration Service.	_				
Problems Fou	· -					
The conducti	ivity cell was found to re	quire cleaning and re-p	olatinization.			
Services Perf	ormed:					
1. Performed in	itial diagnostic evaluatic	n.				
2. Calibrated th	e pressure sensor.					
3. Performed "F	Post Cruise" calibration	of the temperature & co	onductivity sens	ors.		
4. Cleaned and	replatinized the conduc	tivity cell.				
5. Performed "Final" calibration of the temperature & conductivity sensors.						
	omplete system check a	•	-			
Special Notes):					

Service		_				
Service	RMA Number 77793					
Customer Info	ormation:					
Company	NOAA/Great Lakes Environmental Research Laboratory Date 3/3/2014					
Contact	Steve Constant					
PO Number	TBD					
Serial Numbe	er 19P57237-6619					
Model Number	SRF 19Plus					
Services Req	juested:					
1. Evaluate/Rep 2. Perform Rou	epair Instrumentation. utine Calibration Service.					
Problems Fou	und:					
Services Perf	formed:					
0. Performed "F	Post Cruise" calibration of the temperature & conductivity sensors.					
Performed in	nitial diagnostic evaluation.					
2. Upgraded fire	rmware to most current revision (see special notes).*					
3. Calibrated the pressure sensor.						
Performed complete system check and full diagnostic evaluation.						
Special Notes	s:					
* Version 2.5.2.						



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Report		RMA Number	777	793		
ormation:						
NOAA/Great Lakes Env	rironmental Res	earch Laboratory		Date	3/3/2014	
Steve Constant						
TBD						
430817						
SRF 43						
uested:						
pair Instrumentation. utine Calibration Service.						
und:						
ane was ballooned.						
formed:						
nitial diagnostic evaluatio	n.					
e lid and membrane asse	embly (0.5 mil).					
3. Replaced the electrolyte with new fluid.						
4. Performed "Final" calibration of the oxygen sensor.						
ull diagnostic evaluation.						
s:						
	ormation: NOAA/Great Lakes Environmentation SBF 43 Wested: pair Instrumentation pair Instrumentation	ormation: NOAA/Great Lakes Environmental Res Steve Constant TBD	NOAA/Great Lakes Environmental Research Laboratory Steve Constant TBD ar 430817 ar SRF 43 uested: pair Instrumentation. utine Calibration Service. und: ane was ballooned. formed: nitial diagnostic evaluation. e lid and membrane assembly (0.5 mil). e electrolyte with new fluid. Final" calibration of the oxygen sensor. ull diagnostic evaluation.	NOAA/Great Lakes Environmental Research Laboratory Steve Constant TBD ar 430817 ar SRF 43 quested: pair Instrumentation. utine Calibration Service. und: ane was ballooned. formed: nitial diagnostic evaluation. e lid and membrane assembly (0.5 mil). e electrolyte with new fluid. Final" calibration of the oxygen sensor. ull diagnostic evaluation.	NOAA/Great Lakes Environmental Research Laboratory Steve Constant TBD Ar	

Service						
	Report	RMA Nu	mber	77793		
	Порот					
Customer Info	ormation:					
Company	NOAA/Great Lakes Env	ironmental Research Labo	ratory		Date	3/3/2014
Contact	Steve Constant					
PO Number	TBD					
Serial Numbe	Serial Number 431189					
Model Number	SRF 43					
Services Req	uested:					
Evaluate/Repair Instrumentation. Perform Routine Calibration Service.						
Problems Found:						
Services Performed:						
1. Performed in	itial diagnostic evaluatio	n.				
2. Performed "Post Cruise" calibration of the oxygen sensor.						
3. Performed full diagnostic evaluation.						
Special Notes:						

Service						
- 0011100	Report		RMA Number	7779	93	
	Пероп					
Customer Information:						
Company	NOAA/Great Lakes Env	rironmental Re	search Laboratory		Date	3/3/2014
Contact	Steve Constant					
PO Number	TBD					
Serial Numbe	Serial Number 432360					
Model Numb	SRF 43					
Services Req	uested:					
Evaluate/Repair Instrumentation. Perform Routine Calibration Service.						
Problems For	Problems Found:					
Services Perf	ormed:					
1. Performed in	Performed initial diagnostic evaluation.					
2. Performed "Post Cruise" calibration of the oxygen sensor.						
3. Performed full diagnostic evaluation.						
Special Notes:						



Service						
	RMA Number 77793					
Customer Information:						
Company	NOAA/Great Lakes Environmental Research Laboratory Date 3/3/2014					
Contact	Steve Constant					
PO Number	TBD					
Serial Numbe	432361					
Model Number SBF 43						
Services Requested:						
 Evaluate/Repair Instrumentation. Perform Routine Calibration Service. 						
Problems Fou	ınd:					
1. The membrane was dirty.						
Services Performed:						
1. Performed ini	nitial diagnostic evaluation.					
2. Performed "Post Cruise" calibration of the oxygen sensor.						
3. Replaced the lid and membrane assembly (0.5 mil). *						
4. Replaced the electrolyte with new fluid. *						
5. Performed hydrostatic pressure test.						
6. Performed "Final" calibration of the oxygen sensor.						
7. Performed full diagnostic evaluation.						
Special Notes:						
* These services were performed at no charge.						